Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/04/2019 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126238	0	1.15	126344	1.11
Blue	F	SSC	125000	124775	-1	1.69	125578	1.69
Blue	E	FITC	16122	15729	-3	2.62	342	19.51
Blue	D	PE	29316	29046	-1	1.89	634	14.40
Blue	B	PerCP-Cy5-5	42590	42208	-1	3.60	1138	20.37
Blue	A	PE-Cy7	33146	33363	0	5.97	637	41.26
Red	C	APC	45473	44931	-2	2.39	1589	11.89
Red	A	APC-Cy7	31961	30995	-4	2.37	819	12.07
Violet	B	V450	7914	7364	-7	5.47	411	13.71
Violet	A	V500	29769	28411	-5	5.30	659	11.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20993	3.02	610	10	N/A	N/A	Pass
Blue	F	SSC	56702	1.20	556	18	N/A	N/A	Pass
Blue	E	FITC	63	63.54	542	5	0.0218	180	Pass
Blue	D	PE	132	48.86	545	8	0.1715	277	Pass
Blue	B	PerCP-Cy5-5	210	49.77	650	12	0.0090	57	Pass
Blue	A	PE-Cy7	118	99.47	703	12	0.0105	7	Pass
Red	C	APC	377	25.26	587	8	0.0259	202	Pass
Red	A	APC-Cy7	181	29.26	563	7	0.0055	1129	Pass
Violet	B	V450	63	62.17	463	3	0.0569	2623	Pass
Violet	A	V500	98	33.98	476	4	0.0224	740	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.32	-31.90	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.24	13.60 - 20.40	N/A	N/A	29.47	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12086

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments